

ABSTRACT

A solar battery system with an improved effect of utilizing solar energy and a thermoelectric hybrid type solar battery system for furthermore recovering heat energy are provided. It is configured to include a solar battery panel 1 receiving sunlight at a light receiving surface 1a and supplying electricity generated by photoelectric conversion to the outside; a heat pipe 2 configured to have a serpentine thin hole provided therein with a sealed refrigerant fluid or configured to have a plate-shaped structure, for example, in a flat shape, a thin shape, furthermore, a thin film shape, wherein a surface of said plate-shaped structure on one end portion side is affixed to a back surface of said light receiving surface of said solar battery panel, and receiving heat H generated at said solar battery panel 1 from said one end portion 2a and conducting to the other end portion 2b; and a heat release part 3, such as a hot water generation part, receiving the heat from the other end portion 2b which is conducted in the heat pipe 2.